



THE IMPACT OF INTEREST RATE HIKES ON SMALL AND MEDIUM ENTERPRISES (SMES) IN DEVELOPING ECONOMIES

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<https://doi.org/10.5281/zenodo.15572108>

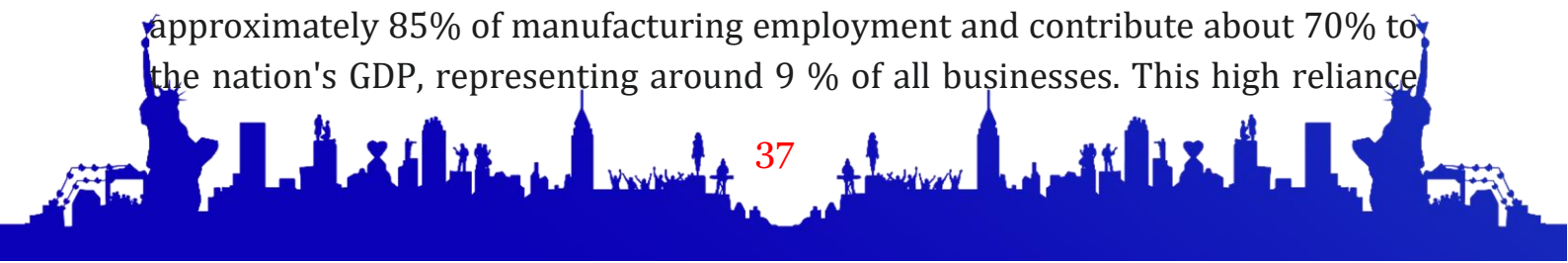
Abstract

Small and Medium Enterprises (SMEs) form the bedrock of many developing economies, acting as vital engines for employment generation, innovation, and overall economic growth. However, this crucial sector faces significant threats from macroeconomic policy shifts, particularly increases in interest rates. This article examines the multifaceted impacts of interest rate hikes on SMEs within developing economies through a comprehensive review and synthesis of existing literature. The analysis reveals that rising interest rates negatively affect SMEs by increasing their borrowing costs, reducing access to credit, dampening investment, escalating operational expenses, diminishing consumer demand, and ultimately elevating the risk of loan defaults and business closures. These challenges are often exacerbated by the unique vulnerabilities prevalent in developing economies, such as limited access to formal financial institutions, stringent collateral requirements, underdeveloped financial infrastructure, and susceptibility to macroeconomic instability. The study concludes by emphasizing the urgent need for targeted policy interventions from governments, central banks, and financial institutions to bolster the resilience of SMEs against interest rate shocks and to foster an enabling environment for their sustainable growth. A key policy recommendation includes improving SMEs' access to affordable finance through various mechanisms.

Key words: Interest Rates, SMEs, Developing Economies, Economic Growth, Credit Access, Borrowing Costs, Investment, Monetary Policy, Financial Vulnerability, Policy Interventions

Introduction

Small and Medium Enterprises (SMEs) are widely acknowledged as critical contributors to the economic dynamism of developing nations. These enterprises often constitute the majority of businesses, providing a substantial proportion of employment and contributing significantly to the Gross Domestic Product (GDP). For instance, in Ghana, SMEs are reported to provide approximately 85% of manufacturing employment and contribute about 70% to the nation's GDP, representing around 9 % of all businesses. This high reliance





on SMEs underscores the potential for widespread economic repercussions when this sector faces adverse conditions.

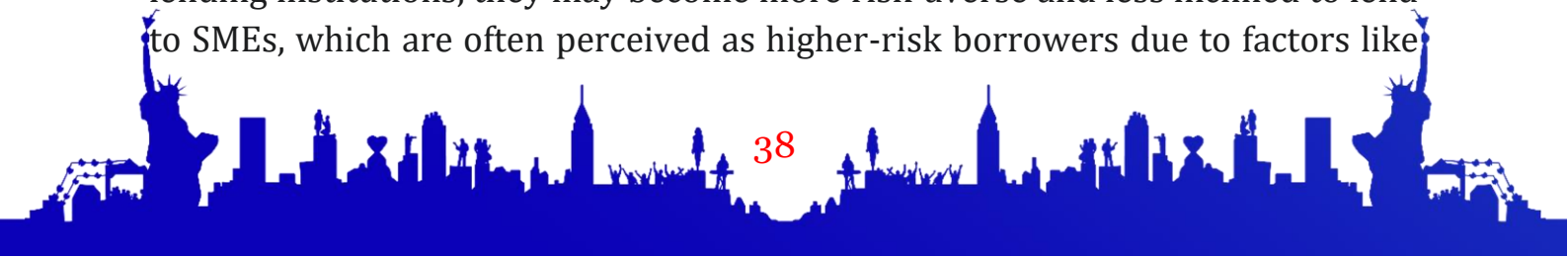
In recent times, a global trend of increasing interest rates has emerged as a response to rising inflation and other complex macroeconomic pressures. While interest rate hikes are a conventional tool employed by monetary authorities to manage economic overheating, their implications can be particularly pronounced for developing economies. These nations often possess unique economic structures and vulnerabilities that amplify the effects of such policy changes. Compared to their counterparts in developed economies, SMEs in developing countries may face a distinct set of challenges that make them more susceptible to the tightening of monetary policy.

Given the pivotal role of SMEs in developing economies and the potential threats posed by rising interest rates, a comprehensive understanding of the impact is essential. This article addresses the critical research problem of the heightened vulnerability of SMEs in developing economies to interest rate hikes and the need for a thorough analysis of the diverse consequences. The primary objective of this study is to provide a comprehensive analysis of the impact of interest rate hikes on SMEs in developing economies, drawing upon a synthesis of existing academic research and reports from international organizations. Secondary objectives include identifying the specific challenges faced by these enterprises, consolidating empirical evidence from various developing countries, and proposing informed policy recommendations aimed at mitigating the adverse effects.

Discussion

Mechanisms of Impact

One of the most immediate and significant impacts of interest rate hikes is the increased cost of borrowing and reduced loan accessibility for SMEs. When central banks raise their benchmark rates, commercial banks typically follow suit by increasing their lending rates. This directly translates to higher interest rates on new loans sought by SMEs for various purposes, such as business expansion, equipment purchases, or working capital. Furthermore, SMEs with existing loans that have variable interest rates face an immediate increase in their debt servicing costs, leading to higher monthly payments and a greater financial burden. This escalation in borrowing costs can also prompt banks to tighten their loan eligibility requirements. As the cost of funds increases for lending institutions, they may become more risk-averse and less inclined to lend to SMEs, which are often perceived as higher-risk borrowers due to factors like

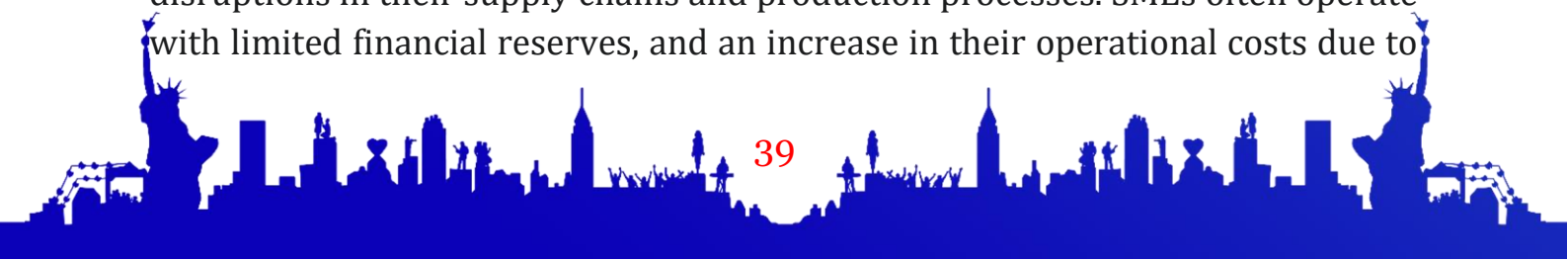




limited credit history or lack of substantial collateral. Empirical evidence from Ghana indicates a negative relationship between interest rates and the demand for credit by SMEs, highlighting how higher rates deter borrowing. The increased cost of borrowing not only obstructs SMEs' access to new financing necessary for growth and daily operations but also strains their existing financial obligations, potentially creating a detrimental cycle of debt. Higher interest payments diminish the cash flow available for crucial reinvestment and operational expenses, making SMEs more susceptible to financial distress and less attractive to lenders in the future.

Interest rate hikes also have pronounced negative effects on investment by SMEs. Elevated interest rates increase the overall cost of capital, making potential investment projects less appealing as the anticipated returns may no longer justify the higher borrowing expenses. Consequently, SMEs may delay or entirely cancel planned expansions, reduce investments in upgrading technology and equipment, or postpone the launch of new products and services. Research suggests that rising interest rates can discourage companies and industries from investing in technological advancements and research and development, ultimately leading to a slower pace of innovation. This dampening effect on investment due to interest rate hikes can have long-term ramifications for the productivity and overall competitiveness of SMEs in developing economies, hindering their capacity to contribute to sustained economic growth. Reduced investment translates into slower adoption of new technologies, lower gains in productivity, and a weakened ability for SMEs to effectively compete both within their domestic markets and internationally.

The impact of interest rate hikes extends to the working capital and operational costs of SMEs. Increased borrowing costs make it more expensive for SMEs to finance their day-to-day operations and manage their working capital effectively. Businesses might be compelled to raise the prices of their goods and services to offset these higher costs, which could potentially lead to a decrease in demand from price-sensitive consumers. Moreover, the strain on cash flow resulting from higher interest payments can significantly impact an SME's ability to meet its short-term financial obligations, such as paying suppliers or covering immediate operational expenses. This immediate impact on working capital can severely restrict the operational flexibility of SMEs, particularly those with already thin profit margins, potentially causing disruptions in their supply chains and production processes. SMEs often operate with limited financial reserves, and an increase in their operational costs due to





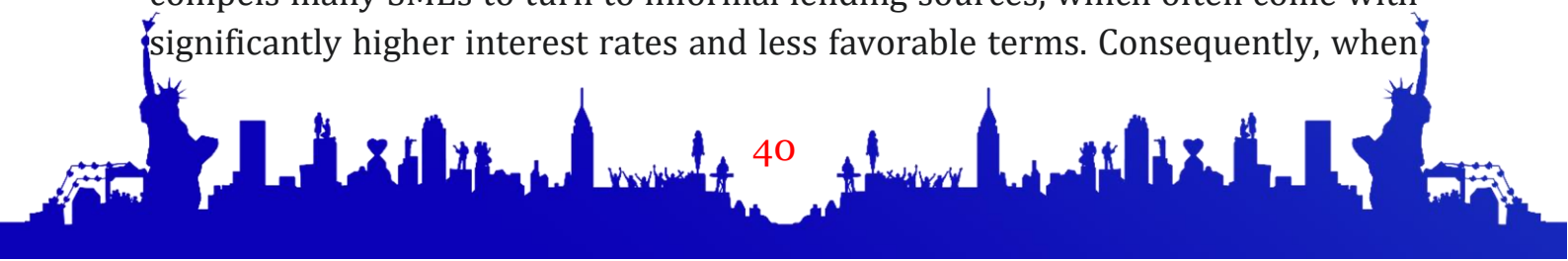
elevated interest rates can rapidly deplete their available working capital, making them highly vulnerable to unexpected expenses or delays in receiving payments from customers.

Furthermore, interest rate hikes tend to lead to reduced consumer demand in the broader economy. As borrowing becomes more expensive for individual consumers, they often experience a reduction in their disposable income and consequently curtail their spending on goods and services. This is particularly true for non-essential or discretionary items. The overall effect can be a decrease in market participation and a general slowdown in economic activity. This indirect impact of diminished consumer demand can significantly affect the revenue streams of SMEs, especially those operating in sectors that heavily rely on domestic consumption. The decline in sales revenue further compounds the challenges faced by SMEs already grappling with higher borrowing costs and increased operational expenses.

The combined pressures of higher borrowing costs, reduced investment, increased operational expenses, and lower consumer demand can significantly elevate the risk of loan default and business closure for SMEs. When SMEs struggle to manage their increased financial burdens and experience declining revenues, they may find themselves unable to meet their loan repayment obligations, leading to defaults. For SMEs that were already operating on the margins or facing financial difficulties, these added pressures can be the tipping point, potentially forcing them to cease operations altogether. Empirical evidence from Ghana indicates a negative correlation between interest rates and loan repayment, suggesting that higher rates increase the likelihood of default. The ultimate consequence of prolonged or substantial interest rate hikes can be a rise in the number of SME bankruptcies, resulting in job losses and a contraction in overall economic activity within developing economies.

Exacerbating Factors in Developing Economies

The impact of interest rate hikes on SMEs is often more severe in developing economies due to a number of exacerbating factors. One significant challenge is the limited access to formal financial institutions and the consequent reliance on informal lending. SMEs in these economies frequently face difficulties in securing credit from formal banks due to various reasons, including a lack of sufficient collateral, absence of a well-established credit history, and perceived higher risk. This lack of access to formal financing compels many SMEs to turn to informal lending sources, which often come with significantly higher interest rates and less favorable terms. Consequently, when





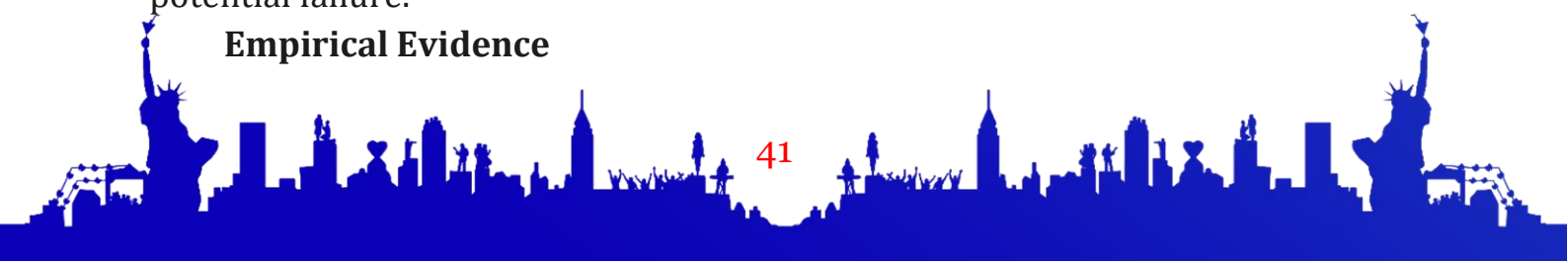
interest rates rise in the formal sector, it can either push more SMEs towards these expensive informal options or exacerbate the financial strain on those already borrowing informally, making them even more vulnerable.

Another critical factor is the high collateral requirements and lack of suitable assets among SMEs in developing economies. Banks in these regions often have stringent demands for collateral, typically in the form of fixed assets like land or buildings, which many SMEs, particularly smaller or newer ones, do not possess. This lack of readily available and acceptable collateral severely restricts their ability to obtain loans from formal financial institutions, even if their business operations are otherwise viable. Therefore, interest rate hikes further diminish their already limited access to credit, as they may not even qualify for loans at the higher rates due to the collateral constraint.

Weak financial infrastructure and regulatory frameworks in many developing economies also amplify the negative effects of interest rate hikes on SMEs. Underdeveloped financial markets can lead to inefficiencies in the transmission of monetary policy, causing interest rate changes to have a disproportionately large impact on borrowing costs for SMEs. Issues such as limited availability of comprehensive credit information and inefficient insolvency practices can increase the perceived risk of lending to SMEs, leading to higher risk premiums and ultimately higher interest rates charged by financial institutions. These weaknesses in the financial ecosystem can exacerbate the challenges faced by SMEs in accessing affordable finance during periods of rising interest rates.

Finally, developing economies are often characterized by a higher degree of vulnerability to macroeconomic instability and external shocks. These economies can be more susceptible to fluctuations in inflation, exchange rates, and global commodity prices, which can either trigger or worsen the impact of domestic interest rate hikes. Furthermore, they are often more sensitive to global financial conditions and capital flows, which can influence domestic interest rates and the availability of credit. This inherent macroeconomic instability creates a precarious environment where interest rate hikes, even if intended to stabilize the economy, can have unintended and severe consequences for the already fragile SME sector. SMEs operating in such volatile conditions possess less capacity to absorb additional financial shocks resulting from interest rate increases, making them more prone to financial distress and potential failure.

Empirical Evidence





Empirical studies conducted in various developing economies provide compelling evidence of the adverse impacts of interest rate hikes on SMEs. In Ghana, research has demonstrated a clear negative relationship between interest rates and the demand for credit by SMEs. Furthermore, it has been found that high interest rates, averaging around 5% per annum in some cases, significantly impair the ability of SMEs to repay their loans. The study recommends a substantial reduction in interest rates to approximately 0% to improve both credit access and loan repayment rates. Another study focusing on Accra, Ghana, revealed a significant interdependence between the profitability of SMEs and interest rate fluctuations. The volatility of interest rates was found to discourage SMEs from undertaking expansion initiatives, ultimately leading to potential business closures due to mounting financial obligations.

In South Africa, research indicates a significant negative correlation between interest rates and credit access for SMEs. SMEs in the country face considerable obstacles in securing affordable credit, with interest rates on SME loans ranging from 0% to as high as 30% annually. The study suggests that policymakers in South Africa should consider implementing measures to reduce interest rates and ease collateral requirements to enhance credit accessibility for SMEs.

A study focusing on Zambia, particularly retail outlets in the Chipata district, highlighted the detrimental effects of increased interest rates on SMEs. The research identified a positive correlation between a lack of collateral assets and the rejection of credit applications, as well as between higher interest rates and credit rejection. To address these challenges, the study recommends that SMEs in Zambia explore practical and unconventional alternative sources of finance, such as crowdfunding and forming group partnerships to leverage collective strength and achieve economies of scale.

Research conducted in Bangladesh examined the impact of interest rates on the development of the SME industrial sector. The findings revealed a significant negative impact of interest rates on SME industries in the short run. Moreover, the study indicated that in the long run, interest rates in the SME sector exert a negative influence on overall industrial development in the country.

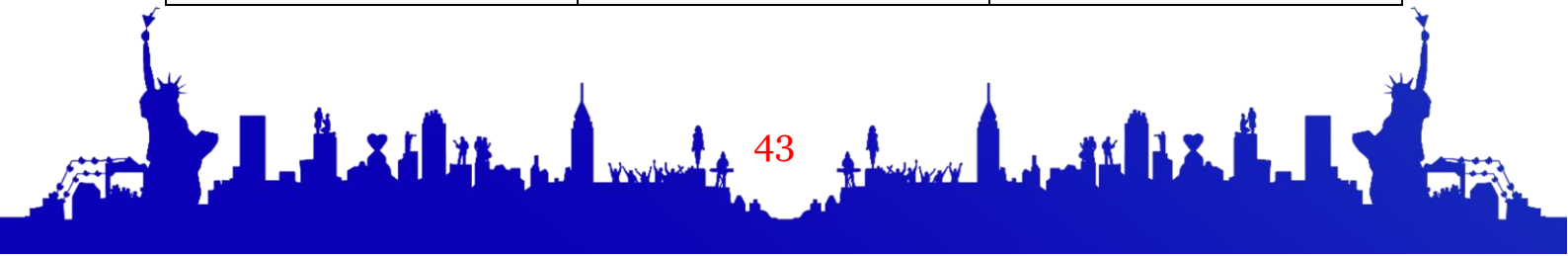
Across various developing economies, general empirical evidence supports the notion that higher interest rates negatively affect SMEs. Studies have found a negative relationship between the amount of finance provided to SMEs and prevailing interest rates. Furthermore, research has revealed an asymmetric causality, where shocks in interest rates drive changes in SME output, but the





reverse is not necessarily true. Notably, one study analyzing data from developing economies over an extended period found that interest rates below a threshold of approximately 5.86% tended to promote economic growth, while rates exceeding this level were associated with a decline in overall economic growth.

Study (Country)	Location	Methodology Used	Key Findings Regarding the Impact of Interest Rate Hikes on SMEs
Ghana		McKinnon-Shaw hypothesis, Stiglitz-Weiss model	Negative relationship between interest rates and demand for credit; high interest rates affect loan repayment; recommends interest rate reduction.
Ghana (Accra)		ARDL technique of co-integration	Interdependence between SMEs' profitability and interest rates; interest rate fluctuations discourage expansion and can lead to closure.
South Africa		Pearson's correlation, multiple regression	Significant negative effect of interest rates on credit access; SMEs face obstacles in obtaining affordable credit; recommends reducing interest rates and relaxing collateral.





Zambia (Chipata)	Mixed method (qualitative and quantitative)	Positive correlation between lack of collateral and credit rejection, and between interest rates and credit rejection; high interest rates adversely affect retail outlets; recommends alternative financing sources.
Bangladesh	Johansen co- integration, VECM technique	Significant negative impact on SME industries in the short run; negative long-run influence on total industrial development.
General Developing Economies	Various econometric methods	Negative relationship between finance provided to SMEs and interest rates; asymmetric causality where interest rate shocks drive SME output shocks; interest rates above a certain threshold hinder economic growth.

Policy Implications and Recommendations

The evidence overwhelmingly suggests that interest rate hikes pose significant challenges to SMEs in developing economies. To mitigate these adverse effects and foster a more resilient SME sector, targeted and comprehensive policy interventions are crucial.





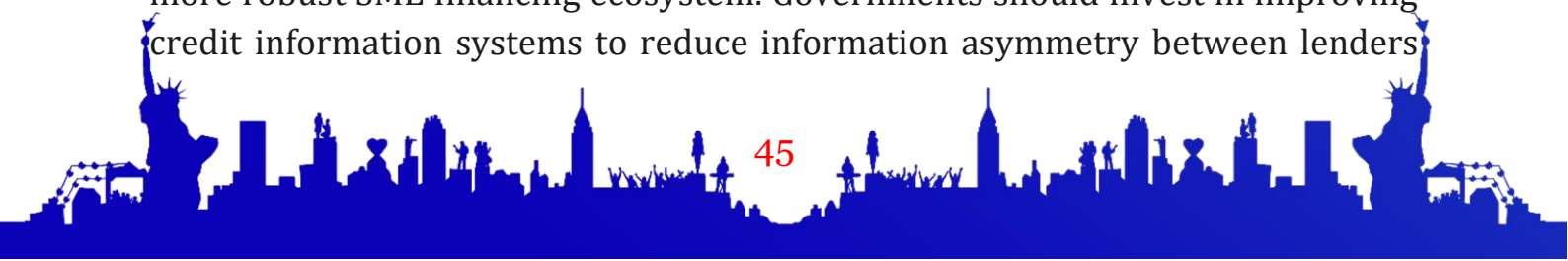
Improving access to affordable finance is paramount. Governments should implement initiatives that incentivize financial institutions to offer lower interest rates on loans to SMEs. This could include establishing credit guarantee schemes to reduce the risk for lenders, providing tax breaks to banks that increase their SME lending portfolios, and developing regulatory frameworks that encourage SME financing. Additionally, exploring and promoting alternative financing mechanisms such as crowdfunding platforms and peer-to-peer lending could help bridge the funding gap for SMEs that struggle to access traditional bank loans. The role of microfinance institutions in providing small loans to small businesses and new entrepreneurs, particularly in rural and underserved areas, should also be strengthened.

Mitigating the impact on borrowing costs requires a multi-pronged approach. Policymakers should strive to create stable and predictable macroeconomic environments to reduce the volatility of interest rates. Exploring the feasibility of differentiated interest rate policies that take into account the specific needs and vulnerabilities of the SME sector could also be beneficial. In certain circumstances, governments might consider providing targeted subsidies or implementing temporary interest rate caps for eligible SMEs to help them navigate periods of economic tightening.

Support for financial literacy and business development is essential for enhancing the resilience of SMEs. Governments and relevant organizations should invest in programs that educate SME owners and managers on sound financial management practices, including strategies for managing debt and navigating interest rate fluctuations. Providing access to business development services, such as training in business planning, financial forecasting, and market analysis, can further strengthen SMEs' ability to adapt to changing economic conditions and improve their overall competitiveness.

Relaxing collateral requirements could significantly improve SMEs' access to finance. Policymakers should consider reforms that encourage financial institutions to move away from an over-reliance on physical collateral, particularly fixed assets that many SMEs lack. Promoting the use of alternative forms of collateral, such as movable assets, personal guarantees, and group lending mechanisms, could broaden access to credit for a larger number of SMEs.

Strengthening financial infrastructure is a fundamental requirement for a more robust SME financing ecosystem. Governments should invest in improving credit information systems to reduce information asymmetry between lenders





and borrowers, thereby lowering the perceived risk of lending to SMEs. Establishing and maintaining efficient collateral registries can enhance the security of loans backed by movable assets. Furthermore, strengthening insolvency frameworks can facilitate a more predictable and efficient resolution of financial distress, which can encourage lenders to extend credit to SMEs.

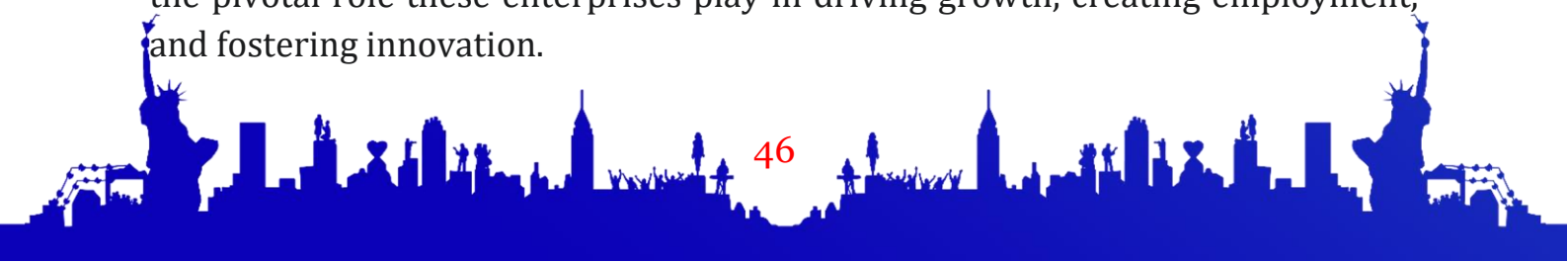
Finally, promoting economic diversification within developing economies can reduce the overall sensitivity of the economy, including the SME sector, to interest rate fluctuations. Policies that support the development of a broader range of industries and reduce reliance on sectors that are particularly vulnerable to interest rate changes can contribute to greater economic stability and resilience for SMEs in the long run.

Conclusion

In conclusion, interest rate hikes exert a significant negative impact on Small and Medium Enterprises (SMEs) within developing economies. These increases not only elevate the cost of borrowing and restrict access to crucial financing but also dampen investment activities, inflate operational expenses, diminish consumer demand, and heighten the risk of loan defaults and business closures. The inherent vulnerabilities of SMEs in these economies, stemming from limited access to formal financial institutions, stringent collateral demands, underdeveloped financial infrastructure, and susceptibility to macroeconomic instability, further exacerbate these challenges.

The empirical evidence gathered from various developing countries, including Ghana, South Africa, Zambia, and Bangladesh, consistently underscores the adverse effects of interest rate hikes on SME performance across multiple dimensions. These findings highlight the urgent need for targeted and comprehensive policy interventions by governments, central banks, and financial institutions to mitigate these negative consequences and cultivate a more supportive environment for the sustainable development of the SME sector.

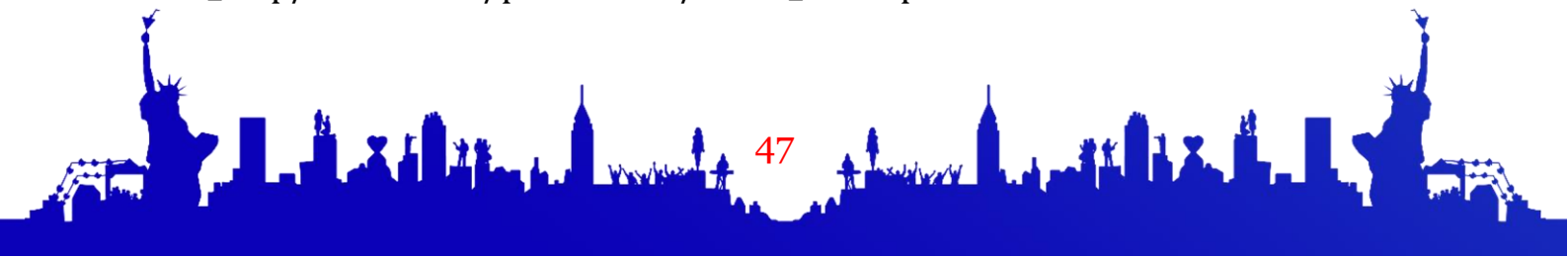
Future research could delve deeper into exploring the differential impacts of interest rate hikes across various sub-sectors of SMEs within developing economies, as well as evaluating the effectiveness of specific policy interventions in diverse country contexts. Ultimately, recognizing and addressing the challenges faced by SMEs due to interest rate hikes is crucial for fostering inclusive and sustainable economic development in developing nations, given the pivotal role these enterprises play in driving growth, creating employment, and fostering innovation.





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